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PATENT ABSTRACTS OF JAPAN

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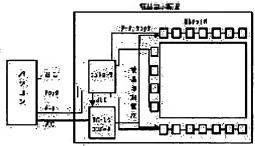
OWAKU YOSHIHARU SATO YUKIHIRO

(54) LIQUID CRYSTAL DISPLAY DEVICE

(57) Abstract:

PURPOSE: To reduce the power consumption and improve the operability by stopping a display operation and also controlling a driving circuit or a driving voltage generating circuit so that a substantial DC. component is not impressed on liquid crystal.

CONSTITUTION: A sleep mode input is provided in the input interface part of a liquid crystal display device. When a host (a personal computer) side enters into a sleep mode, a sleep mode signal is supplied to a display controller and then the display operation is stopped. Simultaneously, a signal SL0 is supplied to a DC-DC converter forming a liquid crystal driving voltage and then, for example, the driving voltage to be supplied to liquid crystal drivers is set to the same potential as that of a counter electrode (a common electrode) so that the DC. voltage is not applied on both electrodes of liquid crystal. Further, a power source part for turning on a fluorescent lamp being used for a back- lighting is included in the DC-DC converter and when the converter is made to be in the sleep mode, the fluorescent lamp is turned off.



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